

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re **Divisional** Application of:)
 Minoru MIYAZAKI et al) Attn: Applications Branch
 Based on US Serial No. 10/193,163) Group Art Unit: 2814
 Which Was Filed: July 12, 2002)
 For: ELECTRONIC CIRCUIT) Date: July 17, 2003

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

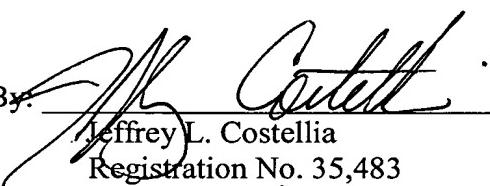
Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98. All the references cited on the PTO-1449 Form was cited in the above parent application.

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

The Commissioner is hereby authorized to charge any fees connected with this filing which may be required now, or credit any overpayment to Deposit Account No. 19-2380.

Respectfully submitted,

By: 
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JLC/sas

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Substitute for form 1449A/PTO				<i>Complete if Known</i>		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	Not Yet Assigned	
				Filing Date	July 17, 2002	
				First Named Inventor	Minoru MIYAZAKI et al.	
				Group Art Unit	Not Yet Assigned	
				Examiner Name	Not Yet Assigned	
Sheet	1	of	3	Attorney Docket Number	740756-2624	
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	4,517,583			Uchida	05/1985	
	5,182,624			Tran et al.	01/1993	
	5,198,379			Adan	03/1993	
	5,202,575			Sakai	04/1993	
	5,246,872			Mortensen	09/1993	
	5,306,651			Masuno et al.	04/1994	
	5,316,960			Watanabe et al.	05/1994	
	5,365,104			Godinho et al.	11/1994	
	5,365,112			Oshima	11/1994	
	5,371,042			Ong	12/1994	
	5,380,678			Yu et al.	01/1995	
	4,783,248			Kohlhase et al.	11/1988	
	5,157,470			Matsuzaki et al.	10/1992	
	5,938,839			Zhang	08/1999	
	5,397,744			Sumi et al.	03/1995	
	5,434,044			Nulman et al.	07/1995	
	5,459,353			Kanazawa	10/1995	
	5,472,912			Miller	12/1995	
	5,623,157			Miyazaki et al.	04/1997	
	5,804,878			Miyazaki et al.	09/1998	
	6,031,290			Miyazaki et al.	02/2000	
	6,259,120	B1		Zhang et al.	06/2001	
	5,323,042			Matsumoto	06/1994	
	5,412,493			Kunii et al.	05/1995	
	5,567,966			Hwang	10/1996	
	5,698,883			Mizuno	12/1997	
	5,808,347			Kurimoto et al.	09/1998	
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	6,166,414			Miyazaki et al.	12/2000	
	4,928,156			Alvis et al.	05/1990	
	4,193,080			Koike et al.	03/1980	
	5,498,573			Whetten	03/1996	
Examiner Signature				Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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				First Named Inventor	Minoru MIYAZAKI et al.
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	740756-2624

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴				
			54-137286	Japan	10/1979	Eng. Abstr.	
			0 480 409	Europe	04/1992		
			3-135018	Japan	06/1991	Eng. Abstr.	
			02-271632	Japan	11/1990	Full Eng.	
			04-100232	Japan	04/1992	Full Eng.	
			05-102055	Japan	04/1993	Eng. Abstr.	
			05-267667	Japan	10/1993	Eng. Abstr.	
			06-104196	Japan	04/1994	Eng. Abstr.	
			01-122168	Japan	05/1989	Eng. Abstr.	
			03-108767	Japan	05/1991	Eng. Abstr.	
			04-112529	Japan	04/1992	Eng. Abstr.	
			04-301623	Japan	10/1992	Eng. Abstr.	
			05-021796	Japan	01/1993	Eng. Abstr.	
			05-210117	Japan	08/1993	Eng. Abstr.	
			05-235360	Japan	09/1993	Eng. Abstr.	
			62-259469	Japan	11/1987	Eng. Abstr.	
			63-185066	Japan	07/1988	Eng. Abstr.	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T ²
		R. C. Ellwanger et al., "The deposition and film properties of reactively sputtered titanium nitride," 1988, pp. 289-304.					
		H. Joswig et al., "Advanced metallization of very-large-scale integration devices," 1989, pp. 17-22.					
		Specification and Drawings for Application Serial No. 09/190,618, "Semiconductor Device and Method for Fabricating the Same."					
		H. Maeda et al., "A 15-in.-Diagonal Full-Color High-Resolution TFT-LCD", SID 92 Digest, May 17-22, 1992; pages 47-50.					
		M. Yamamoto et al., "15-inch a-SiTFT-LCD," Chapter 2 Latest AM-LCD Technology, Volume 1 Outline; October 1, 1992, pages 52-55.					

Examiner Signature	Date Considered
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				Art Unit	2814
				Examiner Name	Ngan V. Ngo
Sheet	3	of	3	Attorney Docket Number	740756-2624

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		US-5,288,666	02/22/1994	Lee	

FOREIGN PATENT DOCUMENTS

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